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PTO/SB (12-97)

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Modified Form 1449/PTO		Application Number	10/074,978
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	02/12/02
(use as many sheets as necessary)		First Named Inventor	Guo
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	21402-269 (Cura-569)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
DJS	A1	5,871,697	02/16/99	Rothberg, et al.	422	68.1	10/24/95
	A2	5,877,291	03/02/99	Mezes, et al.	530	387	06/21/94
	A3	5,892,020	04/06/99	Mezes, et al.	536	23.53	06/07/95
	A4	6,030,792	02/29/00	Pfizer, et al.	435	7.1	11/2/98
	A5	6,071,515	06/06/00	Mezes, et al.	424	130.1	06/05/95
↓	A6	6,121,424	09/19/00	Whitlow, et al.	530	387.3	10/05/98
DJS	A7	5,763,218	06/09/98	Fujii, et al.	435	69.1	06/09/98

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C1	GenBank Accession Number: A29368 (03-MAR-2000).
	C2	GenBank Accession Number: A30142 (29-AUG-1997).
	C3	GenBank Accession Number: A42332 (18-JUN-1999).
	C4	GenBank Accession Number: A58922 (05-DEC-1998).
	C5	GenBank Accession Number: AA147088 (12-DEC-1996).
	C6	GenBank Accession Number: AAA41038 (27-APR-1993).
	C7	GenBank Accession Number: AAA60061 (07-JAN-1995).
	C8	GenBank Accession Number: AAA98806 (03-MAY-1996).
	C9	GenBank Accession Number: AAB39331 (26-DEC-1996).
	C10	GenBank Accession Number: AAB81218 (23-MAY-2001).
	C11	GenBank Accession Number: AAC33251 (28-AUG-1998).
↓	C12	GenBank Accession Number: AAC41997 (31-MAY-1996).
DJS	C13	GenBank Accession Number: AAC82473 (02-DEC-1998).

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C14	GenBank Accession Number: AAD09622 (14-JUL-1999).
	C15	GenBank Accession Number: AAF21630 (01-JAN-2000).
	C16	GenBank Accession Number: AAF21633 (01-JAN-2000).
	C17	GenBank Accession Number: AAF46305 (04-OCT-2000).
	C18	GenBank Accession Number: AAF56344 (05-OCT-2000).
	C19	GenBank Accession Number: AAF85965 (16-JUL-2000).
	C20	GenBank Accession Number: AAG14400 (19-SEP-2000).
	C21	GenBank Accession Number: AAG53690 (23-MAY-2001).
	C22	GenBank Accession Number: AAG53905 (25-JAN-2001).
	C23	GenBank Accession Number: AAG60035 (23-OCT-2001).
	C24	GenBank Accession Number: AAH00047 (12-JUL-2001).
	C25	GenBank Accession Number: AAH04395 (12-JUL-2001).
	C26	GenBank Accession Number: AAH05625 (12-JUL-2001).
	C27	GenBank Accession Number: AAH09416 (12-JUL-2001).
	C28	GenBank Accession Number: AAH10449 (12-JUL-2001).
	C29	GenBank Accession Number: AAH10627 (12-JUL-2001).
	C30	GenBank Accession Number: AAH12197 (06-AUG-2001).
	C31	GenBank Accession Number: AAH15219 (04-OCT-2001).
	C32	GenBank Accession Number: AAH15338 (04-OCT-2001).
	C33	GenBank Accession Number: AAH17997 (06-DEC-2001).
	C34	GenBank Accession Number: AAH19562 (22-JAN-2002).
	C35	GenBank Accession Number: AAK14650 (18-JUN-2001). <b>RECEIVED</b>
	C36	GenBank Accession Number: AAK14653 (18-JUN-2001). <b>FEB 21 2003</b>
	C37	GenBank Accession Number: AAK56087 (21-FEB-2002).
	C38	GenBank Accession Number: AAK91126 (15-AUG-2001).
	C39	GenBank Accession Number: AAK95133 (27-AUG-2001).
	C40	GenBank Accession Number: AAK95092 (27-AUG-2001).
	C41	GenBank Accession Number: AAL08051 (14-JAN-2002).
	C42	GenBank Accession Number: AAL08052 (14-JAN-2002).
	C43	GenBank Accession Number: AAL09358 (12-APR-2002).
	C44	GenBank Accession Number: AAL09675 (02-OCT-2001).
	C45	GenBank Accession Number: AAL09676 (02-OCT-2001).
	C46	GenBank Accession Number: AAL38661 (11-DEC-2001).
	C47	GenBank Accession Number: AAL55776 (01-JAN-2002).
↓	C48	GenBank Accession Number: AB008910 (13-MAY-1998).
DJS	C49	GenBank Accession Number: AB018421 (13-OCT-1998).

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C50	GenBank Accession Number: AB018694 (05-OCT-1999).
	C51	GenBank Accession Number: AB030503 (31-JUL-1999).
	C52	GenBank Accession Number: AB030504 (31-JUL-1999).
	C53	GenBank Accession Number: AB035548 (27-MAY-2000).
	C54	GenBank Accession Number: AB036511 (08-SEP-2000).
	C55	GenBank Accession Number: AB037784 (14-MAR-2000).
	C56	GenBank Accession Number: AB041542 (30-JUN-2000).
	C57	GenBank Accession Number: AB046841 (22-FEB-2001).
	C58	GenBank Accession Number: AB056389 (10-JAN-2002).
	C59	GenBank Accession Number: AE003442 (04-OCT-2000).
	C60	GenBank Accession Number: AE003749 (05-OCT-2000).
	C61	GenBank Accession Number: AF019225 (23-MAY-2001).
	C62	GenBank Accession Number: AF021261 (28-AUG-1998).
	C63	GenBank Accession Number: AF028333 (01-JAN-2000).
	C64	GenBank Accession Number: AF028337 (01-JAN-2000).
	C65	GenBank Accession Number: AF040639 (08-SEP-1999). <span style="float: right;">FEB 21 2003</span>
	C66	GenBank Accession Number: AF045584 (27-AUG-1998).
	C67	GenBank Accession Number: AF086155 (29-AUG-1998). <span style="float: right;">TECH CENTER 1600/2900</span>
	C68	GenBank Accession Number: AF087909 (14-SEP-2000).
	C69	GenBank Accession Number: AF100907 (08-MAY-2001).
	C70	GenBank Accession Number: AF106518 (02-DEC-1998).
	C71	GenBank Accession Number: AF111168 (14-JUL-1999).
	C72	GenBank Accession Number: AF152496 (14-JUL-1999).
	C73	GenBank Accession Number: AF153606 (28-JUN-1999).
	C74	GenBank Accession Number: AF169312 (06-APR-2000).
	C75	GenBank Accession Number: AF171932 (25-OCT-1999).
	C76	GenBank Accession Number: AF186798 (19-SEP-2000).
	C77	GenBank Accession Number: AF193809 (18-AUG-2000).
	C78	GenBank Accession Number: AF202636 (10-OCT-2000).
	C79	GenBank Accession Number: AF217544 (19-APR-2001).
	C80	GenBank Accession Number: AF237669 (29-AUG-2000).
	C81	GenBank Accession Number: AF239661 (15-AUG-2001).
	C82	GenBank Accession Number: AF257081 (10-JUL-2001).
	C83	GenBank Accession Number: AF263279 (16-JUL-2000).
↓	C84	GenBank Accession Number: AF289592 (01-JAN-2002).
DJS	C85	GenBank Accession Number: AF299340 (25-JAN-2001).

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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
MS	C86	GenBank Accession Number: AF305428 (12-APR-2002).
	C87	GenBank Accession Number: AF323540 (23-MAY-2001).
	C88	GenBank Accession Number: AF332058 (21-FEB-2002).
	C89	GenBank Accession Number: AF399607 (27-AUG-2001).
	C90	GenBank Accession Number: AF401561 (27-AUG-2001).
	C91	GenBank Accession Number: AF407579 (02-OCT-2001).
	C92	GenBank Accession Number: AF407580 (02-OCT-2001).
	C93	GenBank Accession Number: AJ004832 (20-MAY-1998).
	C94	GenBank Accession Number: AJ133775 (09-JUL-1999).
	C95	GenBank Accession Number: AJ133798 (17-NOV-1999).
	C96	GenBank Accession Number: AJ238574 (29-APR-2000).
	C97	GenBank Accession Number: AJ250840 (17-MAR-2000).
	C98	GenBank Accession Number: AK002528 (19-JAN-2002).
	C99	GenBank Accession Number: AK003645 (19-JAN-2002).
	C100	GenBank Accession Number: AK004413 (19-JAN-2002).
	C101	GenBank Accession Number: AK004876 (19-JAN-2002).
	C102	GenBank Accession Number: AK005628 (19-JAN-2002).
	C103	GenBank Accession Number: AK005765 (19-JAN-2002).
	C104	GenBank Accession Number: AK011417 (19-JAN-2002).
	C105	GenBank Accession Number: AK014546 (19-JAN-2002).
	C106	GenBank Accession Number: AK015573 (19-JAN-2002).
	C107	GenBank Accession Number: AK026196 (29-SEP-2000).
	C108	GenBank Accession Number: AK055880 (31-OCT-2001).
	C109	GenBank Accession Number: AK057051 (31-OCT-2001).
	C110	GenBank Accession Number: AK057470 (31-OCT-2001).
	C111	GenBank Accession Number: AL035413 (07-FEB-2000).
	C112	GenBank Accession Number: AL050169 (18-FEB-2000).
	C113	GenBank Accession Number: AL050320 (04-APR-2001).
	C114	GenBank Accession Number: AL118522 (09-APR-2001).
	C115	GenBank Accession Number: AL133463 (15-MAR-2001).
	C116	GenBank Accession Number: AL136097 (04-OCT-2000).
	C117	GenBank Accession Number: AP002533 (17-JUN-2000).
	C118	GenBank Accession Number: AR012140 (04-DEC-1998).
	C119	GenBank Accession Number: AY013260 (18-JUN-2001).
↓	C120	GenBank Accession Number: AY013263 (18-JUN-2001).
MS	C121	GenBank Accession Number: AY050636 (14-JAN-2002).

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## OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Exam Initials	Cito No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C122	GenBank Accession Number: AY050637 (14-JAN-2002).
	C123	GenBank Accession Number: AY062269 (11-DEC-2001).
	C124	GenBank Accession Number: B30142 (29-AUG-1997).
	C125	GenBank Accession Number: BAA33804 (13-OCT-1998).
	C126	GenBank Accession Number: BAA82656 (31-JUL-1999).
	C127	GenBank Accession Number: BAA82657 (31-JUL-1999).
	C128	GenBank Accession Number: BAA84941 (05-OCT-1999).
	C129	GenBank Accession Number: BAB13346 (08-SEP-2000).
	C130	GenBank Accession Number: BAB13447 (22-FEB-2001).
	C131	GenBank Accession Number: BAB15390 (29-SEP-2000).
	C132	GenBank Accession Number: BAB22165 (19-JAN-2002).
	C133	GenBank Accession Number: BAB22911 (19-JAN-2002).
	C134	GenBank Accession Number: BAB23296 (19-JAN-2002).
	C135	GenBank Accession Number: BAB23634 (19-JAN-2002).
	C136	GenBank Accession Number: BAB24157 (19-JAN-2002).
	C137	GenBank Accession Number: BAB24227 (19-JAN-2002).
	C138	GenBank Accession Number: BAB27605 (19-JAN-2002).
	C139	GenBank Accession Number: BAB29424 (19-JAN-2002).
	C140	GenBank Accession Number: BAB29898 (19-JAN-2002).
	C141	GenBank Accession Number: BAB33045 (10-JAN-2002).
	C142	GenBank Accession Number: BAB71033 (31-OCT-2001).
	C143	GenBank Accession Number: BAB71356 (31-OCT-2001).
	C144	GenBank Accession Number: BAB71502 (31-OCT-2001).
	C145	GenBank Accession Number: BC000047 (12-JUL-2001).
	C146	GenBank Accession Number: BC004395 (12-JUL-2001).
	C147	GenBank Accession Number: BC005625 (12-JUL-2001).
	C148	GenBank Accession Number: BC009416 (12-JUL-2001).
	C149	GenBank Accession Number: BC010449 (12-JUL-2001).
	C150	GenBank Accession Number: BC010627 (12-JUL-2001).
	C151	GenBank Accession Number: BC012197 (06-AUG-2001).
	C152	GenBank Accession Number: BC015219 (04-OCT-2001).
	C153	GenBank Accession Number: BC015338 (04-OCT-2001).
	C154	GenBank Accession Number: BC017997 (06-DEC-2001).
	C155	GenBank Accession Number: BC019562 (22-JAN-2002).
	C156	GenBank Accession Number: CAB43305 (18-FEB-2000).
DJS	C157	GenBank Accession Number: CAB46991 (09-JUL-1999).

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*[Signature]*

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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C158	GenBank Accession Number: CAB52401 (12-DEC-1999).
	C159	GenBank Accession Number: CAB72322 (07-FEB-2000).
	C160	GenBank Accession Number: CAB76566 (17-MAR-2000).
	C161	GenBank Accession Number: CAC12709 (04-OCT-2000).
	C162	GenBank Accession Number: CAC14068 (09-APR-2001).
	C163	GenBank Accession Number: CAC16127 (15-MAR-2001).
	C164	GenBank Accession Number: CAC28312 (05-FEB-2001).
	C165	GenBank Accession Number: CAC36074 (04-APR-2001).
	C166	GenBank Accession Number: D78348 (01-FEB-2000).
	C167	GenBank Accession Number: E02629 (29-SEP-1997).
	C168	GenBank Accession Number: I52084 (07-OCT-1997).
	C169	GenBank Accession Number: J03744 (27-MAR-1993).
	C170	GenBank Accession Number: L04751 (31-DEC-1994).
	C171	GenBank Accession Number: L26335 (31-MAY-1996).
	C172	GenBank Accession Number: L41669 (31-MAY-1996).
	C173	GenBank Accession Number: L48937 (26-DEC-1996).
	C174	GenBank Accession Number: M11186 (03-MAY-1996).
	C175	GenBank Accession Number: M17733 (03-AUG-1993).
	C176	GenBank Accession Number: M25650 (07-JAN-1995).
	C177	GenBank Accession Number: M26032 (07-JAN-1995).
	C178	GenBank Accession Number: M28130 (06-JAN-1995).
	C179	GenBank Accession Number: M36340 (27-APR-1993).
	C180	GenBank Accession Number: M57718 (27-APR-1993).
	C181	GenBank Accession Number: M61886 (03-MAY-1994).
	C182	GenBank Accession Number: NM_000778 (10-FEB-2002).
	C183	GenBank Accession Number: NM_000915 (07-FEB-2001).
	C184	GenBank Accession Number: NM_000973 (05-SEP-2001).
	C185	GenBank Accession Number: NM_000992 (27-NOV-2001).
	C186	GenBank Accession Number: NM_001086 (31-OCT-2000).
	C187	GenBank Accession Number: NM_001704 (31-OCT-2000).
	C188	GenBank Accession Number: NM_001871 (31-OCT-2000).
	C189	GenBank Accession Number: NM_002677 (31-OCT-2000).
	C190	GenBank Accession Number: NM_003463 (28-DEC-2001).
	C191	GenBank Accession Number: NM_003479 (09-JAN-2002).
	C192	GenBank Accession Number: NM_003627 (01-NOV-2000).
DJS	C193	GenBank Accession Number: NM_003689 (01-NOV-2000).

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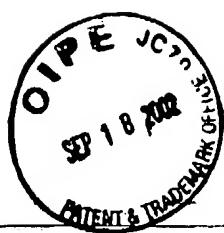
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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cito No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C194	GenBank Accession Number: NM_003813 (01-OCT-2001).
	C195	GenBank Accession Number: NM_003909 (18-DEC-2001).
	C196	GenBank Accession Number: NM_003915 (16-MAY-2002).
	C197	GenBank Accession Number: NM_005811 (16-MAY-2002).
	C198	GenBank Accession Number: NM_006016 (10-JUN-2002).
	C199	GenBank Accession Number: NM_006462 (19-JAN-2002).
	C200	GenBank Accession Number: NM_006702 (01-NOV-2000).
	C201	GenBank Accession Number: NM_007264 (16-MAY-2002).
	C202	GenBank Accession Number: NM_007412 (22-JUL-2002).
	C203	GenBank Accession Number: NM_009355 (07-JAN-2002).
	C204	GenBank Accession Number: NM_009356 (07-JAN-2002).
	C205	GenBank Accession Number: NM_011598 (07-JAN-2002).
	C206	GenBank Accession Number: NM_012067 (02-NOV-2000).
	C207	GenBank Accession Number: NM_013249 (02-NOV-2000).
	C208	GenBank Accession Number: NM_015149 (14-MAY-2002).
	C209	GenBank Accession Number: NM_015801 (23-JUL-2002).
	C210	GenBank Accession Number: NM_016321 (02-NOV-2000).
	C211	GenBank Accession Number: NM_016601 (08-JUL-2002).
	C212	GenBank Accession Number: NM_016969 (23-JUL-2002).
	C213	GenBank Accession Number: NM_018401 (10-DEC-2001). <b>RECEIVED</b>
	C214	GenBank Accession Number: NM_018936 (02-OCT-2001). <b>FEB 21 2003</b>
	C215	GenBank Accession Number: NM_018937 (02-OCT-2001). <b>TECH CENTER 1600/2900</b>
	C216	GenBank Accession Number: NM_019705 (07-JAN-2002).
	C217	GenBank Accession Number: NM_019799 (23-JUL-2002).
	C218	GenBank Accession Number: NM_020330 (07-JAN-2002).
	C219	GenBank Accession Number: NM_020334 (03-FEB-2001).
	C220	GenBank Accession Number: NM_020538 (23-JUL-2002).
	C221	GenBank Accession Number: NM_020957 (02-OCT-2001).
	C222	GenBank Accession Number: NM_021278 (07-JAN-2002).
	C223	GenBank Accession Number: NM_021302 (07-JAN-2002).
	C224	GenBank Accession Number: NM_021557 (14-MAR-2000).
	C225	GenBank Accession Number: NM_021764 (08-NOV-2000).
	C226	GenBank Accession Number: NM_021794 (03-FEB-2001).
	C227	GenBank Accession Number: NM_022358 (08-JUL-2002).
	C228	GenBank Accession Number: NM_022854 (22-JUL-2002).
DJS	C229	GenBank Accession Number: NM_023622 (08-JAN-2002).

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
AS	C230	GenBank Accession Number: NM_024308 (14-MAY-2002).
	C231	GenBank Accession Number: NM_024864 (14-MAY-2002).
	C232	GenBank Accession Number: NM_027281 (08-JAN-2002).
	C233	GenBank Accession Number: NM_030882 (09-APR-2001).
	C234	GenBank Accession Number: NM_031229 (19-JAN-2002).
	C235	GenBank Accession Number: NM_031812 (26-JUL-2002).
	C236	GenBank Accession Number: NM_033519 (14-MAY-2002).
	C237	GenBank Accession Number: NM_052998 (26-OCT-2001).
	C238	GenBank Accession Number: NM_053302 (22-JUL-2002).
	C239	GenBank Accession Number: NM_059513 (03-DEC-2001).
	C240	GenBank Accession Number: NM_078520 (22-JUL-2002).
	C241	GenBank Accession Number: NP_000769 (10-FEB-2002).
	C242	GenBank Accession Number: NP_000906 (07-FEB-2001).
	C243	GenBank Accession Number: NP_000964 (05-SEP-2001).
	C244	GenBank Accession Number: NP_000983 (27-NOV-2001).
	C245	GenBank Accession Number: NP_001077 (31-OCT-2000).
	C246	GenBank Accession Number: NP_001695 (31-OCT-2000).
	C247	GenBank Accession Number: NP_001862 (31-OCT-2000).
	C248	GenBank Accession Number: NP_002668 (31-OCT-2000).
	C249	GenBank Accession Number: NP_003454 (28-DEC-2001).
	C250	GenBank Accession Number: NP_003470 (09-JAN-2002). <span style="float: right;">RECEIVED</span>
	C251	GenBank Accession Number: NP_003618 (01-NOV-2000). <span style="float: right;">FEB 21 2003</span>
	C252	GenBank Accession Number: NP_003680 (01-NOV-2000). <span style="float: right;">TECH CENTER 1600/2900</span>
	C253	GenBank Accession Number: NP_003804 (01-OCT-2001).
	C254	GenBank Accession Number: NP_003900 (18-DEC-2001).
	C255	GenBank Accession Number: NP_003906 (16-MAY-2002).
	C256	GenBank Accession Number: NP_005802 (16-MAY-2002).
	C257	GenBank Accession Number: NP_006007 (10-JUN-2002).
	C258	GenBank Accession Number: NP_006453 (19-JAN-2002).
	C259	GenBank Accession Number: NP_006693 (01-NOV-2000).
	C260	GenBank Accession Number: NP_009195 (16-MAY-2002).
	C261	GenBank Accession Number: NP_031438 (22-JUL-2002).
	C262	GenBank Accession Number: NP_033381 (07-JAN-2002).
	C263	GenBank Accession Number: NP_033382 (07-JAN-2002).
✓	C264	GenBank Accession Number: NP_035728 (07-JAN-2002).
AS	C265	GenBank Accession Number: NP_036199 (02-NOV-2000).

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
JDS	C266	GenBank Accession Number: NP_037381 (02-NOV-2000).
	C267	GenBank Accession Number: NP_055964 (14-MAY-2002).
	C268	GenBank Accession Number: NP_056616 (23-JUL-2002).
	C269	GenBank Accession Number: NP_057405 (02-NOV-2000).
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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C302	GenBank Accession Number: O35682 (15-JUN-2002).
	C303	GenBank Accession Number: O75131 (15-JUN-2002).
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	C307	GenBank Accession Number: P00790 (15-JUN-2002).
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	C309	GenBank Accession Number: P01177 (16-OCT-2001).
	C310	GenBank Accession Number: P01178 (15-JUN-2002).
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	C318	GenBank Accession Number: P21664 (01-NOV-1997).
	C319	GenBank Accession Number: P24526 (16-OCT-2001).
	C320	GenBank Accession Number: P25120 (15-JUN-2002).
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	C323	GenBank Accession Number: P34032 (15-JUN-2002).
	C324	GenBank Accession Number: P41116 (01-FEB-1995).
	C325	GenBank Accession Number: P48035 (16-OCT-2001).
	C326	GenBank Accession Number: P51954 (16-OCT-2001).
	C327	GenBank Accession Number: P55261 (15-JUN-2002).
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	C330	GenBank Accession Number: Q9BQE5 (15-JUN-2002).
	C331	GenBank Accession Number: S40685 (21-JAN-2000).
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	C334	GenBank Accession Number: S70006 (05-NOV-1999).
	C335	GenBank Accession Number: S70007 (13-MAR-1997).
	C336	GenBank Accession Number: U07870 (22-JUN-1995).
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C338	GenBank Accession Number: U48296 (30-JUL-1999).
	C339	GenBank Accession Number: U67322 (05-JAN-1999).
	C340	GenBank Accession Number: X59755 (22-NOV-1991).
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	C342	GenBank Accession Number: XM_001439 (10-DEC-2001).
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	C368	GenBank Accession Number: XP_018182 (13-MAY-2002).
	C369	GenBank Accession Number: XP_029815 (11-DEC-2001).
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
AS	C374	GenBank Accession Number: XP_058348 (08-MAY-2002).
	C375	GenBank Accession Number: XP_060166 (13-MAY-2002).
	C376	GenBank Accession Number: XP_060167 (13-MAY-2002).
	C377	GenBank Accession Number: XP_060551 (08-MAY-2002).
	C378	GenBank Accession Number: XP_063251 (13-MAY-2002).
	C379	GenBank Accession Number: XP_063285 (13-MAY-2002).
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	C395	SWALL (SPTR) Accession Number: O77511 (1-NOV-1998).
	C396	SWALL (SPTR) Accession Number: Q60493 (1-NOV-1996).
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	C398	SWALL (SPTR) Accession Number: Q9JID4 (1-OCT-2000).
	C399	SWALL (SPTR) Accession Number: Q9JJG4 (1-OCT-2000).
	C400	SWALL (SPTR) Accession Number: Q9JL58 (16-OCT-2001).
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	C404	SWALL (SPTR) Accession Number: Q9NUC3 (16-OCT-2001).
	C405	SWALL (SPTR) Accession Number: Q9QX82 (1-MAY-2000).
	C406	SWALL (SPTR) Accession Number: Q9QYX3 (16-OCT-2001).
AS	C407	SWALL (SPTR) Accession Number: Q9R114 (1-MAY-2000).
AS	C408	SWALL (SPTR) Accession Number: Q9UBD6 (1-MAY-2000).
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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C410	SWALL (SPTR) Accession Number: Q9XYN2 (1-NOV-1999).
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	C412	SWALL (SPTR) Accession Number: Q9Z1V0 (1-MAY-1999).
	C413	SWALL (SPTR) Accession Number: Q9Z1W4 (16-OCT-2001).
	C414	SWALL (SPTR) Accession Number: Q9Z217 (16-OCT-2001).
	C415	Agarwal et al. (1998). "Molecular basis of severe gynecomastia associated with aromatase expression in a fibrolamellar hepatocellular carcinoma." <i>J Clin Endocrinol Metab</i> 83(5): 1797-1800.
	C416	Albright et al. (1993). "Characterization of a guanine nucleotide dissociation stimulator for a ras-related GTPase." <i>Embo J</i> 12(1): 339-347.
	C417	Alderborn et al. (2000). "Determination of single-nucleotide polymorphisms by real-time pyrophosphate DNA sequencing." <i>Genome Res</i> 10(8): 1249-1258.
	C418	Barinaga (1999). "A new finger on the protein destruction button." <i>Science</i> 286(5438): 223-225.
	C419	Ben Othmane et al. (1995). "Evidence for linkage disequilibrium in chromosome 13-linked Duchenne-like muscular dystrophy (LGMD2C)." <i>Am J Hum Genet</i> 57(3): 732-734.
	C420	Bernstein and Muller (1999). "The cellular localization of the L-ornithine decarboxylase/polyamine system in normal and diseased central nervous systems." <i>Prog Neurobiol</i> 57(5): 485-505.
	C421	Bhagwat et al. (1999). "Gene-regulating protein kinases as important anti-inflammatory targets." <i>Drug Discov Today</i> 4(10): 472-479.
	C422	Blaker et al. (1993). "Molecular cloning of human von Ebner's gland protein, a member of the lipocalin superfamily highly expressed in lingual salivary glands." <i>Biochim Biophys Acta</i> 1172(1-2): 131-137.
	C423	Borden and Freemont (1996). "The RING finger domain: a recent example of a sequence-structure family." <i>Curr Opin Struct Biol</i> 6(3): 395-401.
	C424	Castro and Fielding (1988). "Early incorporation of cell-derived cholesterol into pre-beta-migrating high-density lipoprotein." <i>Biochemistry</i> 27(1): 25-29.
	C425	Cerretti et al. (1999). "Isolation of two novel metalloproteinase-disintegrin (ADAM) cDNAs that show testis-specific gene expression." <i>Biochem Biophys Res Commun</i> 263(3): 810-815.
	C426	Chang et al. (1984). "Fraternal hepatocellular carcinoma in young children in two families." <i>Cancer</i> 53(8): 1807-1810.
	C427	Cherif-Zahar et al. (1996). "Candidate gene acting as a suppressor of the RH locus in most cases of Rh-deficiency." <i>Nat Genet</i> 12(2): 168-173.
	C428	Cherif-Zahar et al. (1998). "Rh-deficiency of the regulator type caused by splicing mutations in the human RH50 gene." <i>Blood</i> 92(7): 2535-2540.
	C429	Chioldera et al. (2000). "Effect of systemic oxytocin administration on dexamethasone-induced leptin secretion in normal and obese men." <i>J Clin Endocrinol Metab</i> 85(10): 3683-3686.
	C430	Cole et al. (1998). "cDNA sequencing and analysis of POV1 (PB39): a novel gene up-regulated in prostate cancer." <i>Genomics</i> 51(2): 282-287.
	C431	Creutz et al. (1998). "The copines, a novel class of C2 domain-containing, calcium-dependent, phospholipid-binding proteins conserved from Paramecium to humans." <i>J Biol Chem</i> 273(3): 1393-1402.
	C432	Cuzner and Opdenakker (1999). "Plasminogen activators and matrix metalloproteases, mediators of extracellular proteolysis in inflammatory demyelination of the central nervous system." <i>J Neuroimmunol</i> 94(1-2): 1-14.
	C433	Denison et al. (1971). "Familial hepatoma with hepatitis-associated antigen." <i>Ann Intern Med</i> 74(3): 391-394.
	C434	Duchateau et al. (1997). "Apolipoprotein L, a new human high density lipoprotein apolipoprotein expressed by the pancreas. Identification, cloning, characterization, and plasma distribution of apolipoprotein L." <i>J Biol Chem</i> 272(41): 25576-25582.
	C435	Dudek et al. (1997). "Regulation of neuronal survival by the serine-threonine protein kinase Akt." <i>Science</i> 275(5300): 661-665.
DJS	C436	Duprat et al. (1997). "TASK, a human background K <sup>+</sup> channel to sense external pH variations near

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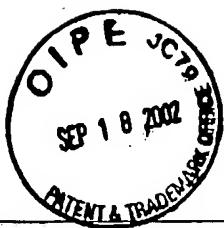
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C436	physiological pH." <i>Embo J</i> 16(17): 5464-5471.
DJS	C437	Elliott et al. (1986). "Assignment of pancreatic ribonuclease gene to mouse chromosome 14." <i>Cytogenet Cell Genet</i> 42(1-2): 110-112.
	C438	Evers et al. (1987). "Molecular cloning of a pair of human pepsinogen A genes which differ by a Glu---Lys mutation in the activation peptide." <i>Hum Genet</i> 77(2): 182-187.
	C439	Farooqui et al. (2001). "Neurochemical consequences of kainate-induced toxicity in brain: involvement of arachidonic acid release and prevention of toxicity by phospholipase A(2) inhibitors." <i>Brain Res Brain Res Rev</i> 38(1-2): 61-78.
	C440	Fielding and Fielding (1995). "Molecular physiology of reverse cholesterol transport." <i>J Lipid Res</i> 36(2): 211-228.
	C441	Fisher et al. (1987). "Sequences which flank an 11p deletion observed in an hepatocellular carcinoma map to 11p13." <i>Hum Genet</i> 75(1): 66-69.
	C442	Francone et al. (1989). "Distribution and functions of lecithin:cholesterol acyltransferase and cholestryler ester transfer protein in plasma lipoproteins. Evidence for a functional unit containing these activities together with apolipoproteins A-I and D that catalyzes the esterification and transfer of cell-derived cholesterol." <i>J Biol Chem</i> 264(12): 7066-7072.
	C443	Frants et al. (1984). "Genetics of urinary pepsinogen: a new hypothesis." <i>Hum Genet</i> 65(4): 385-390.
	C444	Freemont (1993). "The RING finger. A novel protein sequence motif related to the zinc finger." <i>Ann N Y Acad Sci</i> 684: 174-192.
	C445	Freemont (2000). "RING for destruction?" <i>Curr Biol</i> 10(2): R84-R87.
	C446	Fuhrmann et al. (1999). "The MYC dualism in growth and death." <i>Mutat Res</i> 437(3): 205-217.
	C447	Gamer et al. (1999). "A novel BMP expressed in developing mouse limb, spinal cord, and tail bud is a potent mesoderm inducer in <i>Xenopus</i> embryos." <i>Dev Biol</i> 208(1): 222-232.
	C448	Garcia-Barcelo et al. (1997). "Mapping of the human ribosomal large subunit protein gene RPL29 to human chromosome 3q29-qter." <i>Genomics</i> 46(1): 148-151.
	C449	Gedde-Dahl et al. (1978). "Pepsinogens: new variant and linkage relationships to chromosome 6 markers." <i>Cytogenet Cell Genet</i> 22(1-6): 301-303.
	C450	Gendler et al. (1990). "Molecular cloning and expression of human tumor-associated polymorphic epithelial mucin." <i>J Biol Chem</i> 265(25): 15286-15293.
	C451	Glomset (1968). "The plasma lecithins:cholesterol acyltransferase reaction." <i>J Lipid Res</i> 9(2): 155-167.
	C452	Gordon et al. (1977). "Predicting coronary heart disease in middle-aged and older persons. The Framington study." <i>Jama</i> 238(6): 497-499.
	C453	Gutkowska et al. (2000). "Oxytocin is a cardiovascular hormone." <i>Braz J Med Biol Res</i> 33(6): 625-633.
	C454	Hagstrom and Baker (1968). "Primary hepatocellular carcinoma in three male siblings." <i>Cancer</i> 22(1): 142-150.
	C455	Hanes et al. (1993). "Characterization by cDNA cloning of the mRNA of human ribosomal protein L8." <i>Biochem Biophys Res Commun</i> 197(3): 1223-1228.
	C456	Hanze et al. (1997). "Molecular cloning of a novel human receptor gene with homology to the rat adrenomedullin receptor and high expression in heart and immune system." <i>Biochem Biophys Res Commun</i> 240(1): 183-188.
	C457	Hayano et al. (1986). "Close linkage of human chromosomal pepsinogen A genes." <i>Biochem Biophys Res Commun</i> 138(1): 289-296.
	C458	Hayasaka et al. (1991). "[The significance of CA-50, SLX and ST-439 in lung cancer]." <i>Nihon Kyobu Shikkan Gakkai Zasshi</i> 29(7): 802-807.
	C459	Hayasaka et al. (1993). "Structure and localization of the gene encoding human peripheral myelin protein 2 (PMP2)." <i>Genomics</i> 18(2): 244-248.
	C460	He et al. (1998). "A human brain L-3-hydroxyacyl-coenzyme A dehydrogenase is identical to an amyloid beta-peptide-binding protein involved in Alzheimer's disease." <i>J Biol Chem</i> 273(17): 10741-10746.
DJS	C461	Heitman and Agre (2000). "A new face of the Rhesus antigen." <i>Nat Genet</i> 26(3): 258-259.

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 Date of Deposit: September 18, 2002



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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
AS	C462	Henderson et al. (1988). "Identification of a chromosomal aberration associated with a hepatitis B DNA integration site in human cells." <i>Cancer Genet Cytogenet</i> 30(2): 269-275.
	C463	Henricks and Nijkamp (1998). "Pharmacological modulation of cell adhesion molecules." <i>Eur J Pharmacol</i> 344(1): 1-13.
	C464	Hilschmann et al. (2001). "The immunoglobulin-like genetic predetermination of the brain: the protocadherins, blueprint of the neuronal network." <i>Naturwissenschaften</i> 88(1): 2-12.
	C465	Hofer et al. (1994). "Activated Ras interacts with the Raf guanine nucleotide dissociation stimulator." <i>Proc Natl Acad Sci U S A</i> 91(23): 11089-11093.
	C466	Holland et al. (2000). "Combined activation of Ras and Akt in neural progenitors induces glioblastoma formation in mice." <i>Nat Genet</i> 25(1): 55-57.
	C467	Holzfeind et al. (1996). "Expression of the gene for tear lipocalin/von Ebner's gland protein in human prostate." <i>FEBS Lett</i> 395(2-3): 95-98.
	C468	Huang (1998). "The human Rh50 glycoprotein gene. Structural organization and associated splicing defect resulting in Rh(null) disease." <i>J Biol Chem</i> 273(4): 2207-2213.
	C469	Huang et al. (1998). "Rh50 glycoprotein gene and rhnull disease: a silent splice donor is trans to a Gly279-->Glu missense mutation in the conserved transmembrane segment." <i>Blood</i> 92(5): 1776-1784.
	C470	Huang et al. (1999). "Molecular basis for Rh(null) syndrome: identification of three new missense mutations in the Rh50 glycoprotein gene." <i>Am J Hematol</i> 62(1): 25-32.
	C471	Huang et al. (1999). "Rhmod syndrome: a family study of the translation-initiator mutation in the Rh50 glycoprotein gene." <i>Am J Hum Genet</i> 64(1): 108-117.
	C472	Hunter (1991). "Protein kinase classification." <i>Methods Enzymol</i> 200: 3-37.
	C473	Hyland et al. (1998). "A novel single missense mutation identified along the RH50 gene in a composite heterozygous Rhnull blood donor of the regulator type." <i>Blood</i> 91(4): 1458-1463.
	C474	Ihrke et al. (2000). "Endolyn is a mucin-like type I membrane protein targeted to lysosomes by its cytoplasmic tail." <i>Biochem J</i> 345 Pt 2: 287-296.
	C475	Ishikawa et al. (1998). "Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro." <i>DNA Res</i> 5(3): 169-176.
	C476	Jenne et al. (1998). "Peutz-Jeghers syndrome is caused by mutations in a novel serine threonine kinase." <i>Nat Genet</i> 18(1): 38-43.
	C477	Joazeiro et al. (1999). "The tyrosine kinase negative regulator c-Cbl as a RING-type, E2-dependent ubiquitin-protein ligase." <i>Science</i> 286(5438): 309-312.
	C478	Jornvall et al. (1995). "Short-chain dehydrogenases/reductases (SDR)." <i>Biochemistry</i> 34(18): 6003-6013.
	C479	Julkunen et al. (1988). "Complete amino acid sequence of human placental protein 14: a progesterone-regulated uterine protein homologous to beta-lactoglobulins." <i>Proc Natl Acad Sci U S A</i> 85(23): 8845-8849.
	C480	Kaasinen et al. (2000). "Overexpression of spermidine/spermine N-acetyltransferase in transgenic mice protects the animals from kainate-induced toxicity." <i>Eur J Neurosci</i> 12(2): 540-548.
	C481	Kaczmarek et al. (1992). "Inhibitors of polyamine biosynthesis block tumor necrosis factor-induced activation of macrophages." <i>Cancer Res</i> 52(7): 1891-1894.
	C482	Karlsson et al. (1983). "A genetic polymorphism of a human urinary mucin." <i>Ann Hum Genet</i> 47(Pt 4): 263-269.
	C483	Kenmochi et al. (1998). "High-resolution mapping of ribosomal protein genes to human chromosome 19." <i>DNA Res</i> 5(4): 229-233.
	C484	Khanna et al. (1992). "Characteristics of a cytosolic arylacylamidase metabolizing thiacetazone." <i>J Pharmacol Exp Ther</i> 262(3): 1225-1231.
	C485	Kilpelainen et al. (2000). "Expression of ODC and its regulatory protein antizyme in the adult rat brain." <i>J Neurosci Res</i> 62(5): 675-685.
AS	C486	Kingma et al. (1998). "Bovine epidermal fatty acid-binding protein: determination of ligand specificity and cellular localization in retina and testis." <i>Biochemistry</i> 37(10): 3250-3257.
AS	C487	Kishi and Yasuda (1987). "Newly characterized genetic polymorphism of uropepsinogen group A (OCA) using both isoelectric focusing and immunoblotting." <i>Hum Carcin</i> 75(2): 200-212.

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C487 cont	(PGA) using both isoelectric focusing and immunoblotting." <i>Hum Genet</i> 75(3): 209-212.
DJS	C488	Knighton et al. (1991). "Crystal structure of the catalytic subunit of cyclic adenosine monophosphate-dependent protein kinase." <i>Science</i> 253(5018): 407-414.
	C489	Korsnes et al. (1980). "Genetic linkage relation to the pepsinogen Pg5 locus." <i>Ann Hum Genet</i> 44(Pt 2): 185-194.
	C490	Kretzschmar et al. (1997). "The swiss cheese mutant causes glial hyperwrapping and brain degeneration in Drosophila." <i>J Neurosci</i> 17(19): 7425-7432.
	C491	Kunitake et al. (1992). "Binding of transition metals by apolipoprotein A-I-containing plasma lipoproteins: inhibition of oxidation of low density lipoproteins." <i>Proc Natl Acad Sci U S A</i> 89(15): 6993-6997.
	C492	Lan et al. (1990). "Cloning and sequencing of a human pancreatic tumor mucin cDNA." <i>J Biol Chem</i> 265(25): 15294-15299.
	C493	Lassagne and Gachon (1993). "Cloning of a human lacrimal lipocalin secreted in tears." <i>Exp Eye Res</i> 56(5): 605-609.
	C494	Lesage et al. (1996). "TWIK-1, a ubiquitous human weakly inward rectifying K+ channel with a novel structure." <i>Embo J</i> 15(5): 1004-1011.
	C495	Liu et al. (1996). "cDNA cloning and expression of HIP, a novel cell surface heparan sulfate/heparin-binding protein of human uterine epithelial cells and cell lines." <i>J Biol Chem</i> 271(20): 11817-11823.
	C496	Lush et al. (1998). "Neuropathy target esterase and a homologous Drosophila neurodegeneration-associated mutant protein contain a novel domain conserved from bacteria to man." <i>Biochem J</i> 332(Pt 1): 1-4.
	C497	Lynch et al. (1984). "Familial hepatocellular carcinoma in an endemic area of Thailand." <i>Cancer Genet Cytogenet</i> 11(1): 11-18.
	C498	Maingret et al. (1999). "TRAAK is a mammalian neuronal mechano-gated K+ channel." <i>J Biol Chem</i> 274(3): 1381-1387.
	C499	Maingret et al. (2000). "Lysophospholipids open the two-pore domain mechano-gated K(+) channels TREK-1 and TRAAK." <i>J Biol Chem</i> 275(14): 10128-10133.
	C500	Mallender et al. (2001). "Characterization of recombinant, soluble beta-secretase from an insect cell expression system." <i>Mol Pharmacol</i> 59(3): 619-626.
	C501	Marini et al. (1997). "The Rh (rhesus) blood group polypeptides are related to NH4+ transporters." <i>Trends Biochem Sci</i> 22(12): 460-461.
	C502	Marini et al. (2000). "The human Rhesus-associated RhAG protein and a kidney homologue promote ammonium transport in yeast." <i>Nat Genet</i> 26(3): 341-344.
	C503	Matassi et al. (1998). "Organization of the human RH50A gene (RHAG) and evolution of base composition of the RH gene family." <i>Genomics</i> 47(2): 286-293.
	C504	Matsumoto et al. (2001). "Human brain carboxypeptidase B, which cleaves beta-amyloid peptides in vitro, is expressed in the endoplasmic reticulum of neurons." <i>Eur J Neurosci</i> 13(9): 1653-1657.
	C505	McGlynn et al. (1995). "Susceptibility to hepatocellular carcinoma is associated with genetic variation in the enzymatic detoxification of aflatoxin B1." <i>Proc Natl Acad Sci U S A</i> 92(6): 2384-2387.
	C506	McPherron et al. (1997). "Regulation of skeletal muscle mass in mice by a new TGF-beta superfamily member." <i>Nature</i> 387(6628): 83-90.
	C507	Meyskens and Gerner (1999). "Development of difluoromethylornithine (DFMO) as a chemoprevention agent." <i>Clin Cancer Res</i> 5(5): 945-951.
	C508	Morris et al. (1996). "Gender-specific glycosylation of human glycodelin affects its contraceptive activity." <i>J Biol Chem</i> 271(50): 32159-32167.
	C509	Morrison et al. (1998). "Ornithine decarboxylase in human brain: influence of aging, regional distribution, and Alzheimer's disease." <i>J Neurochem</i> 71(1): 288-294.
	C510	Murakami et al. (2000). "Degradation of ornithine decarboxylase by the 26S proteasome." <i>Biochem Biophys Res Commun</i> 267(1): 1-6.
	C511	Nakai et al. (1986). "Assignment of the pepsinogen gene complex (PGA) to human chromosome region 11q13 by in situ hybridization." <i>Cytogenet Cell Genet</i> 43(3-4): 215-217.
DJS	C512	Nakai et al. (1986). "[Biosynthesis of pituitary hormones. Gene organization and processing--propiomelanocortin peptides]." <i>Nippon Rinsho</i> 44(3): 546-553.

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10/074, 978

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DIS	C513	Narayanan et al. (1994). "Partial structure and mapping of the human myelin P2 protein gene." <i>J Neurochem</i> 63(6): 2010-2013.
	C514	Nguyen-Ba and Vasseur (1999). "Epigenetic events during the process of cell transformation induced by carcinogens (review)." <i>Oncol Rep</i> 6(4): 925-932.
	C515	Nishi et al. (2000). "Androgen-regulated expression of a novel member of the aldo-keto reductase superfamily in regrowing rat prostate." <i>Endocrinology</i> 141(9): 3194-3199.
	C516	Nollet et al. (2000). "Phylogenetic analysis of the cadherin superfamily allows identification of six major subfamilies besides several solitary members." <i>J Mol Biol</i> 299(3): 551-572.
	C517	Ohta et al. (1989). "Protective effect of lipoproteins containing apoprotein A-I on Cu2+- catalyzed oxidation of human low density lipoprotein." <i>FEBS Lett</i> 257(2): 435-438.
	C518	Paradis et al. (2000). "Expression of vascular endothelial growth factor in renal cell carcinomas." <i>Virchows Arch</i> 436(4): 351-356.
	C519	Parthasarathy et al. (1990). "High-density lipoprotein inhibits the oxidative modification of low-density lipoprotein." <i>Biochim Biophys Acta</i> 1044(2): 275-283.
	C520	Patel et al. (1998). "A mammalian two pore domain mechano-gated S-like K+ channel." <i>Embo J</i> 17(15): 4283-4290.
	C521	Penning et al. (2000). "Human 3alpha-hydroxysteroid dehydrogenase isoforms (AKR1C1-AKR1C4) of the aldo-keto reductase superfamily: functional plasticity and tissue distribution reveals roles in the inactivation and formation of male and female sex hormones." <i>Biochem J</i> 351(Pt 1): 67-77.
	C522	Pervaiz and Brew (1987). "Homology and structure-function correlations between alpha 1-acid glycoprotein and serum retinol-binding protein and its relatives." <i>Faseb J</i> 1(3): 209-214.
	C523	Piccoli et al. (1999). "A dimeric mutant of human pancreatic ribonuclease with selective cytotoxicity toward malignant cells." <i>Proc Natl Acad Sci U S A</i> 96(14): 7768-7773.
	C524	Prami et al. (1998). "Cloning of the human aflatoxin B1-aldehyde reductase gene at 1p35- 1p36.1 in a region frequently altered in human tumor cells." <i>Cancer Res</i> 58(22): 5014-5018.
	C525	Raghavendra Rao et al. (2001). "Ornithine decarboxylase knockdown exacerbates transient focal cerebral ischemia-induced neuronal damage in rat brain." <i>J Cereb Blood Flow Metab</i> 21(8): 945-954.
	C526	Reddy (1999). "Possible mechanisms by which pro- and prebiotics influence colon carcinogenesis and tumor growth." <i>J Nutr</i> 129(7 Suppl): 1478S-1482S.
	C527	Redl et al. (1992). "cDNA cloning and sequencing reveals human tear prealbumin to be a member of the lipophilic-ligand carrier protein superfamily." <i>J Biol Chem</i> 267(28): 20282-20287.
	C528	Ridgwell et al. (1992). "Isolation of cDNA clones for a 50 kDa glycoprotein of the human erythrocyte membrane associated with Rh (rhesus) blood-group antigen expression." <i>Biochem J</i> 287(Pt 1): 223-228.
	C529	Rogler et al. (1985). "Deletion in chromosome 11p associated with a hepatitis B integration site in hepatocellular carcinoma." <i>Science</i> 230(4723): 319-322.
	C530	Samloff et al. (1973). "Population studies of pepsinogen polymorphism." <i>Am J Hum Genet</i> 25(2): 178-180.
	C531	Saurin et al. (1996). "Does this have a familiar RING?" <i>Trends Biochem Sci</i> 21(6): 208-214.
	C532	Schmitt et al. (1994). "A novel, testis-specific member of the cellular lipophilic transport protein superfamily, deduced from a complimentary deoxyribonucleic acid clone." <i>Biol Reprod</i> 51(2): 239-245.
	C533	Schuler et al. (1996). "A gene map of the human genome." <i>Science</i> 274(5287): 540-546.
	C534	Schwienbacher et al. (2000). "Gain of imprinting at chromosome 11p15: A pathogenetic mechanism identified in human hepatocarcinomas." <i>Proc Natl Acad Sci U S A</i> 97(10): 5445-5449.
	C535	Shao and Andres (2000). "A novel RafGEF-like protein, RGL3, as a candidate effector for rit and Ras." <i>J Biol Chem</i> 275(35): 26914-26924.
	C536	Shen et al. (1991). "Complex segregation analysis of primary hepatocellular carcinoma in Chinese families: interaction of inherited susceptibility and hepatitis B viral infection." <i>Am J Hum Genet</i> 49(1): 88-93.
	C537	Shimkets et al. (1999). "Gene expression analysis by transcript profiling coupled to a gene database query." <i>Nat Biotechnol</i> 17(8): 798-803.
DIS	C538	Smith and Simpson (1989). "Report of the committee on the genetic constitution of chromosomes 9 and 10." <i>Genome</i> 31(1): 1-200-205.

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10/074, 978

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
DJS	C538 10/074	and 10." <i>Cytogenet Cell Genet</i> 51(1-4): 202-225.
DJS	C539	Sogawa et al. (1983). "Primary structure of human pepsinogen gene." <i>J Biol Chem</i> 258(8): 5306-5311.
	C540	Spaargaren et al. (1994). "The Ras-related protein R-ras interacts directly with Raf-1 in a GTP-dependent manner." <i>Biochem J</i> 300(Pt 2): 303-307.
	C541	Stuart et al. (2001). "EEG1, a putative transporter expressed during epithelial organogenesis: comparison with embryonic transporter expression during nephrogenesis." <i>Am J Physiol Renal Physiol</i> 281(6): F1148-F1156.
	C542	Su et al. (1996). "Cloning and characterization of a novel serine/threonine protein kinase expressed in early Xenopus embryos." <i>J Biol Chem</i> 271(24): 14430-14437.
	C543	Szymura and Klein (1981). "Linkage of a gene controlling urinary pepsinogen with the major histocompatibility complex of the mouse." <i>Immunogenetics</i> 13(3): 267-271.
	C544	Taggart et al. (1985). "Variable numbers of pepsinogen genes are located in the centromeric region of human chromosome 11 and determine the high-frequency electrophoretic polymorphism." <i>Proc Natl Acad Sci U S A</i> 82(18): 6240-6244.
	C545	Taggart et al. (1987). "Parasexual analysis of human pepsinogen molecular heterogeneity." <i>Somat Cell Mol Genet</i> 13(2): 167-172.
	C546	Walters et al. (1998). "An inhibitor of ornithine decarboxylase antagonizes superoxide generation by primed human polymorphonuclear leukocytes." <i>J Inflamm</i> 48(1): 40-46.
	C547	Wang et al. (1999). "Heparin/heparan sulfate interacting protein gene expression is up-regulated in human colorectal carcinoma and correlated with differentiation status and metastasis." <i>Cancer Res</i> 59(12): 2989-2994.
	C548	Wang et al. (1999). "Preferential expression of biotransformation enzymes in the olfactory organs of <i>Drosophila melanogaster</i> , the antennae." <i>J Biol Chem</i> 274(15): 10309-10315.
	C549	Watt et al. (1998). "CD164, a novel sialomucin on CD34(+) and erythroid subsets, is located on human chromosome 6q21." <i>Blood</i> 92(3): 849-866.
	C550	Weitkamp et al. (1975). "Probable genetic linkage between a locus for human urinary pepsinogen and the HL-A loci." <i>Am J Hum Genet</i> 27(4): 486-491.
	C551	Weitkamp et al. (1975). "Linkage data on urinary pepsinogen and the Kell blood group." <i>Cytogenet Cell Genet</i> 14(3-6): 451-452.
	C552	Whittington et al. (1980). "Linkage studies on glyoxalase I (GLO), pepsinogen (PG), spinocerebellar ataxia (SCA1), and HLA." <i>Cytogenet Cell Genet</i> 28(3): 145-150.
	C553	Wootton and Federhen (1996). "Analysis of compositionally biased regions in sequence databases." <i>Methods Enzymol</i> 266: 554-571.
	C554	Wu and Maniatis (1999). "A striking organization of a large family of human neural cadherin-like cell adhesion genes." <i>Cell</i> 97(6): 779-790.
	C555	Yamamoto et al. (1992). "Isolation of a cDNA encoding a human serum marker for acute pancreatitis. Identification of pancreas-specific protein as pancreatic procarboxypeptidase B." <i>J Biol Chem</i> 267(4): 2575-2581.
	C556	Yan et al. (1997). "An intracellular protein that binds amyloid-beta peptide and mediates neurotoxicity in Alzheimer's disease." <i>Nature</i> 389(6652): 689-695.
	C557	Yaseen and Blobel (1999). "Two distinct classes of Ran-binding sites on the nucleoporin Nup-358." <i>Proc Natl Acad Sci U S A</i> 96(10): 5516-5521.
	C558	Yatin et al. (1999). "Alzheimer's amyloid beta-peptide associated free radicals increase rat embryonic neuronal polyamine uptake and ornithine decarboxylase activity: protective effect of vitamin E." <i>Neurosci Lett</i> 263(1): 17-20.
	C559	Zannettino et al. (1998). "The sialomucin CD164 (MGC-24v) is an adhesive glycoprotein expressed by human hematopoietic progenitors and bone marrow stromal cells that serves as a potent negative regulator of hematopoiesis." <i>Blood</i> 92(8): 2613-2628.
	C560	Zelle et al. (1988). "Genomic structure and evolution of the human pepsinogen A multigene family." <i>Hum Genet</i> 78(1): 79-82.
DJS	C561	Zhou et al. (1988). "Structural analysis of a hepatitis B virus genome integrated into chromosome 17p of a human hepatocellular carcinoma." <i>J Virol</i> 62(11): 4224-4231.

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